

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/773323	US-PGPUB; USPAT	OR	ON	2006/10/04 13:29
S2	1	("5917798").PN.	US-PGPUB; USPAT	OR	ON	2006/10/04 13:29
S3	57	((KAZUKI) near2 (MATSUMOTO)).INV.	US-PGPUB; USPAT	OR	ON	2006/10/04 13:29
S4	82	((KATSUTARO) near2 (ICHIHARA)). INV.	US-PGPUB; USPAT	OR	ON	2006/10/04 13:29
S5	41	((AKIKO) near2 (HIRAO)).INV.	US-PGPUB; USPAT	OR	ON	2006/10/04 13:29
S6	35	((HIDEYUKI) near2 (NISHIZAWA)). INV.	US-PGPUB; USPAT	OR	ON	2006/10/04 13:30
S7	14	((KAZUKI) near2 (MATSUMOTO)).INV.	EPO; JPO; DERWENT	OR	ON	2006/10/04 13:30
S8	289	((KATSUTARO) near2 (ICHIHARA)). INV.	EPO; JPO; DERWENT	OR	ON	2006/10/04 13:30
S9	119	((AKIKO) near2 (HIRAO)).INV.	EPO; JPO; DERWENT	OR	ON	2006/10/04 13:30
S10	93	((HIDEYUKI) near2 (NISHIZAWA)). INV.	EPO; JPO; DERWENT	OR	ON	2006/10/04 13:30
S11	144	S3 or S4 or S5 or S6	US-PGPUB; USPAT	OR	ON	2006/10/04 13:32
S12	452	S7 or S8 or S9 or S10	EPO; JPO; DERWENT	OR	ON	2006/10/04 13:32

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	1143	(recording near2 layer) near3 ((organic or inorganic) near2 (material or dye))	US-PGPUB; USPAT	OR	ON	2006/10/18 08:40
L5	55	L4 and hologra\$7	US-PGPUB; USPAT	OR	ON	2006/10/18 08:40
L6	45	L4 and hologra\$7 and (disk or disc)	US-PGPUB; USPAT	OR	ON	2006/10/18 08:40
L7	3423	hologra\$7 near2 record\$4 near2 (medium or disk or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/18 08:40
L8	24	L7 and L4	US-PGPUB; USPAT	OR	ON	2006/10/18 08:40
L9	24	L6 not L8	US-PGPUB; USPAT	OR	ON	2006/10/18 08:41
S2	285	(transmi\$6 same (shield\$4 or mask\$4 or selective\$3) same layer same light) and (hologra\$7 same (dis\$2 or media or medium))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:25
S3	39	(transmi\$6 same (shield\$4) same layer same light) and (hologra\$7 same (dis\$2 or media or medium))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:33
S4	3418	hologra\$7 near2 record\$4 near2 (medium or disk or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:34
S5	9339	light near2 shield\$4 near2 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:36
S6	12	S4 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:35
S7	764	light same layer same transmit\$7 same record\$4 same intens\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:44
S8	40	S4 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:37
S9	4998	transmittance with intens\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:52

## EAST Search History

S10	40	S4 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:45
S11	3832	transmittance with "refractive index"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:49
S12	206	S11 and "369".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:49
S13	2315	transmi\$8 with intens\$7 with record\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:53
S14	118	S13 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:53
S15	411	transmi\$8 with intens\$7 with record\$4 with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:55
S16	25	S15 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:53
S17	25	(transmi\$8 with intens\$7 with record\$4 with layer) and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:57
S18	247	intens\$7 near5 ((light or beam) near2 record\$4) near10 transmi\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:01
S19	14	S4 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 14:59
S20	37	intens\$7 near5 ((light or beam) near2 record\$4) near10 ((transmi\$8 or (index near2 refracti\$4)) near5 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:08
S21	175	transmittance near5 (mask\$4 near3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:08

## EAST Search History

S23	22	intens\$7 near5 transmittance near5 (mask\$4 near3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:19
S24	0	S23 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:09
S25	32	intens\$7 WITH transmittance WITH (mask\$4 near3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:16
S26	0	S25 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:09
S27	115189	mask\$4 near3 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:13
S28	43	S4 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:11
S29	770	(mask\$4 near3 layer) with (transmittance or (index near2 refract\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:20
S31	39	hologra\$7 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:14
S32	31	intens\$7 near20 transmittance near20 (mask\$4 near3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:16
S33	4	power near5 transmittance near5 (mask\$4 near3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:19
S34	59	(mask\$4 near3 layer) with (transmittance or (index near2 refract\$5)) with (intens\$5 or power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:40
S35	0	S34 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:20
S36	14	("5175079"   "5284691"   "5294522"   "5436885"   "5460907"   "5464673").PN. OR ("5592461").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/12 15:26

## EAST Search History

S37	14	(US-7006411-\$ or US-6920091-\$ or US-6819648-\$ or US-6667146-\$ or US-6385162-\$ or US-6214500-\$ or US-5952131-\$ or US-5949751-\$ or US-5464673-\$ or US-5460907-\$ or US-5436885-\$ or US-5294522-\$ or US-5284691-\$ or US-5175079-\$).did.	USPAT	OR	ON	2006/10/12 15:27
S40	13	S37 and (intens\$5 or hologra\$7 or mask\$4)	USPAT	OR	ON	2006/10/12 15:28
S41	30	(mask\$4 near3 layer) with (transmit\$7 near3 select\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:43
S42	3	S41 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:43
S43	71	(mask\$4 near3 layer) SAME (transmit\$7 near3 select\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:45
S44	4	S43 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:43
S45	41	S43 not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:44
S46	91	((mask\$4 or shield) near3 layer) SAME (transmit\$7 near3 select\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:46
S47	69	(shield\$4 near3 layer) SAME (transmit\$7 near3 select\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:50
S48	1	S47 and hologra\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:46
S50	1424	369/284.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:50
S51	104	369/285.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/17 10:07

## EAST Search History

S52	6	S4 and (S50 or S51)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:52
S53	49	hologra\$7 and (S50 or S51)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:55
S54	9	S29 and (S50 or S51)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 15:56
S55	18	S15 and (S50 or S51)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/12 16:05
S56	2	"20050041571"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/17 10:08
S57	1143	(recording near2 layer) near3 ((organic or inorganic) near2 (material or dye))	US-PGPUB; USPAT	OR	ON	2006/10/17 17:52
S58	1001	(disk or disc) and S57	US-PGPUB; USPAT	OR	ON	2006/10/17 17:52
S59	3423	hologra\$7 near2 record\$4 near2 (medium or disk or disc)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/17 17:52
S60	24	S59 and S57	US-PGPUB; USPAT	OR	ON	2006/10/18 08:39

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	43366	"369".clas	US-PGPUB; USPAT	OR	ON	2006/10/06 09:20
S2	475	369/103.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 13:45
S3	595	369/284.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 09:21
S4	64	369/285.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 09:21
S5	178027	"428".clas	US-PGPUB; USPAT	OR	ON	2006/10/06 09:21
S6	2651	428/64.\$ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 09:21
S8	58207	hologra\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:22
S9	488584	"3D" or "3-D" or "3-dimension" or "3-dimensional" or "three-dimension" or "three-dimensional"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:53
S10	4007129	(media or medium or disk or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:24
S11	1300184	recording	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:24
S12	6699799	storage or data or information	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:28
S13	3629096	light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:25
S14	2104974	(ray or beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:25

## EAST Search History

S15	665220	shield\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:26
S16	6308126	(mask\$4 or block\$4 or protect\$4 or guard\$4 or translucent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 11:43
S17	58207	hologra\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:29
S18	4007129	(media or medium or disk or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:53
S19	1300184	recording	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:29
S20	3066	S17 near2 S19 near2 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:35
S21	3629096	light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:30
S22	2104974	(ray or beam)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:30
S23	665220	shield\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:30
S24	9797	(S21 or S22) near2 S23 near2 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:41



## EAST Search History

S25	12	S20 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:36
S30	8708	S17 near3 S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:35
S31	19	S30 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:43
S32	6393138	mask\$4 or block\$4 or guard\$4 or translucent or transmit\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:41
S34	18132	(S21 or S22) near2 S32 near2 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:41
S35	107	S30 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 09:53
S36	10	("20020093902" "20040165518" "2004023 3831" "20050141067" "5917798").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:08
S37	2	"2004185707"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:09
S38	10	("20040086690" "5999281" "6512085" "65 62274" "6586515").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:09
S39	16	(S36 S37 S38) and hologra\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:28

## EAST Search History

S40	12	"1324322"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 10:53
S52	2651	428/64.\$ ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 10:55
S53	110	S52 and S17	US-PGPUB; USPAT	OR	ON	2006/10/06 10:56
S54	106	S52 and S17 and S18	US-PGPUB; USPAT	OR	ON	2006/10/06 10:56
S55	3	("6038043"   "6156415"   "6320708").PN. OR ("6639700").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/06 11:34
S61	151	transmi\$7 same (mask\$3 shield\$3) same layer same light and hologra\$7 same (disk or disc or media or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:18
S62	14	transmittance same (mask\$3 shield\$3) same layer same light and hologra\$7 same (disk or disc or media or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:16
S64	147	transmi\$6 same (mask\$3 shield\$3) same layer same light and hologra\$7 same (disk or disc or media or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:37
S65	65	S64 and ("369".clas. or "428".clas. or "430".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:09
S66	475	369/103.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 13:45
S67	595	369/284.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 13:45
S68	64	369/285.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/06 13:45
S69	1117	S66 or S67 or S68	US-PGPUB; USPAT	OR	ON	2006/10/06 13:45
S70	1763	transmi\$6 same (mask\$3 or shield\$3) same layer same light and (hologra\$7 or S27)	US-PGPUB; USPAT	OR	ON	2006/10/06 13:48
S71	8	S69 and S70	US-PGPUB; USPAT	OR	ON	2006/10/06 13:46
S79	312867	"3-D" or "3-dimension" or "3-dimensional" or "three-dimension" or "three-dimensional"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:53

## EAST Search History

S80	119	transmittance same (mask\$3 or shield\$3) same layer same light and (hologra\$7 or S79)	US-PGPUB; USPAT	OR	ON	2006/10/06 13:57
S81	45	S80 and ("428".clas. or "430".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:02
S82	14	S81 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:59
S84	1053	transmi\$6 same (mask\$3 or shield\$3) same layer same light and (hologra\$7 or S79)	US-PGPUB; USPAT	OR	ON	2006/10/06 13:58
S85	304	S84 and ("428".clas. or "430".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 13:58
S86	143	S85 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:02
S87	946	hologra\$6 near2 storage near2 medium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:02
S89	251	S87 and ("369".clas. or "428".clas. or "430".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:09
S90	358307	transmittance or reflectiv\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:03
S91	132	S89 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:08
S92	23	S91 and "recording layer"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:03
S94	996	transmittance near2 reflectivity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:09
S96	230	S94 and ("369".clas. or "428".clas. or "430".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:10

## EAST Search History

S97	118	S94 and ("369".clas. )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:10
S99	18	"09/016382"	US-PGPUB; USPAT	OR	ON	2006/10/06 14:27
S100	1	"7002891"	US-PGPUB; USPAT	OR	ON	2006/10/06 14:30
S101	1	"20040233831"	US-PGPUB; USPAT	OR	ON	2006/10/06 14:36
S102	2	(transmittance near5 "transparent substrate") and (hologra\$7 near2 record\$4 near2 (media or medium or disk or disc))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/06 14:38
S103	5	("20020093902" "20040165518" "2004023 3831" "20050141067" "5917798").PN	US-PGPUB; USPAT	OR	ON	2006/10/17 15:20
S104	34	"HRF-600"	US-PGPUB; USPAT	OR	ON	2006/10/17 15:21